



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q68264

Fumihiko YAMAGUCHI, et al.

Appln. No.: 10/058,376

Group Art Unit: 1751

Confirmation No.: 5389

Examiner: Preeti Kumar

Filed: January 30, 2002

For: STAIN BLOCK TREATMENT OF TEXTILE

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Ikuro YAMAMOTO, hereby declare and state:

THAT I am a citizen of Japan;

THAT I have received the degree of master of Engineering in March 1987 from Osaka
City University;

THAT I have been employed by DAIKIN INDUSTRIES LTD. since April 1, 1987, where
I hold a position as researcher, with responsibility for research works on the development of the
synthesis of fluorine-containing compound and the development of water and oil-repellent;

I am familiar with the Office Action dated January 16, 2003, where the Examiner
considered that it would have been obvious to modify treatment solution and method of U.S.
Patent 6,197,378 to Clark et al by replacing hydrocarbon with a sulfated castor oil as taught by
U.S. Patent 4,937,123 to Chang et al, to thereby provide a treatment liquid comprising a sulfated
castor oil for use in a similar process for imparting stain resistance.

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U.S. Application No.: 10/058,376

I report below on certain experimentation that was conduct by me or under my direct supervision.

EXPERIMENTATION

As described at col. 4, lines 22-24 of Clark et al, the "hydrocarbon" referred to by the Examiner is a "glassy hydrocarbon having a receding contact angle to n-hexadecane of 35° or higher".

I measured the receding contact angle of sulfated castor oil to n-hexadecane after dipping 1 wt% solution of sulfated castor oil in a solvent mixture of CH_3OH and CHCl_3 having a weight ratio of 1:1 on a glass substrate, and then drying the solvent mixture to prepare a sulfated castor oil film on the glass substrate. The sulfated castor oil thus measured had a receding contact angle to n-hexadecane of at most 10°.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: June 12, 2003

Ikuo Yamamoto
Ikuo YAMAMOTO